

480Y/277V 3-Phase 4-Wire LIGHTING PANEL Name: HD Section 1  
 Mains: 400A MLO Min Sym ICI: 18000  
 Trip: Surface Door: Yes Fed From: MSG  
 Neutral: 5/8 Feeder: Note 1  
 Ground bar: Yes Provide 400A Feed-thru Lugs

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	TRIP	PHASE LOADS			DESCRIPTION	CIR	
						A	B	C			
1 LTS 120-136	Note 2	#12	#12	#12	20	1	3293			1 LTS L2 COM, CONC 2	2
3 LTS 110-119	Note 2	#12	#12	#12	20	1	928	2871		LTS L2 RR, HOSP 4	6
5 LTS GYM LOBBY	Note 2	#12	#12	#12	20	1	1231		2854	LTS L2 RR, HOSP 4	6
7 HAND DRYER 204	Note 2	#12	#12	#12	20	1	2300		2300	HAND DRYER 135 8	8
9 HAND DRYER 204	Note 2	#12	#12	#12	20	1	2300		2300	HAND DRYER 124 10	10
11 HAND DRYER 204	Note 2	#12	#12	#12	20	1	2300		2300	HAND DRYER 124 12	12
13 HAND DRYER 204	Note 2	#12	#12	#12	20	1	2300		2300	HAND DRYER 112 14	14
15 HAND DRYER 206	Note 2	#12	#12	#12	20	1	2300		2300	HAND DRYER 111 16	16
17 HAND DRYER 206	Note 2	#12	#12	#12	20	1	2300		2300	HAND DRYER 122 18	18
19 HAND DRYER 206	Note 2	#12	#12	#12	20	1	2300		2300	HAND DRYER 122 20	20
21 HAND DRYER 206	Note 2	#12	#12	#12	20	1	2300		2300	HAND DRYER 131 22	22
23 THN-1 HOSP 205	Note 2	#12	#12	#12	20	1	4100		10388		24
25 LTS LL & TRACK	Note 2	#12	#12	#12	20	1	3934				26
27 LTS BLEACHERS	Note 2	#12	#12	#12	20	1	1088				26
29 LTS COURT D	Note 2	#12	#12	#12	20	1	1611			SPARE	30
31 LTS COURT E	Note 2	#12	#12	#12	20	1	2525			SPARE	32
33 LTS COURT F	Note 2	#12	#12	#12	20	1	2525			SPARE	34
35 ELEVATOR	1"	#6	#10	#6	30	3	9423			SPARE	36
37 -		#6					9422			Space only	38
39 -		#6					9422			Space only	40
41 (Shunt trip)										Space only	42

Refer to HD - Section 2 for notes

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: LC Section 1  
 Mains: 225A MLO Min Sym ICI: 10000  
 Trip: Flush Door: Yes Fed From: DPL  
 Neutral: 5/8 Feeder: Note 2  
 Ground bar: Yes Provide 225A Feed-thru Lugs

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	TRIP	PHASE LOADS			DESCRIPTION	CIR	
						A	B	C			
1 COILING DOOR 208	Note 3	#12	#12	#12	20	1	1176			REC COUNTER 208 2	2
3 COILING DOOR 208	Note 3	#12	#12	#12	20	1	1000			REC COUNTER 208 4	4
5 COILING DOOR 208	Note 3	#12	#12	#12	20	1	1176			REC REFRIG 208 6	6
7 REC CONC 208	Note 3	#12	#12	#12	20	1	180			REC SINK 208 8	8
9 REC CONC 208	Note 3	#12	#12	#12	20	1	180			ICE MAKER 208 10	10
11 REC CONC 208	Note 3	#12	#12	#12	20	1	1227		15 1/2"	ICE MAKER 208 10	10
13 REC CONC 208	Note 3	#12	#12	#12	20	1	1000			REC ISLAND 208 14	14
15 REC CONC 208	Note 3	#12	#12	#12	20	1	180			REC ISLAND 208 16	16
17 REC CONC 208	Note 3	#12	#12	#12	20	1	1000			REC ISLAND 208 18	18
19 REC STOR 207	Note 3	#12	#12	#12	20	1	540			EDF'S 20	20
21 REC STOR 207	Note 3	#12	#12	#12	20	1	1200			EDF'S 20	20
23 REC FLR COMMONS	Note 3	#12	#12	#12	20	1	1200			REC AUDIO 211 24	24
25 REC FLR COMMONS	Note 3	#12	#12	#12	20	1	1200			REC AUDIO 211 26	26
27 REC COMMONS 209	Note 3	#12	#12	#12	20	1	360			REC AUDIO 211 28	28
29 REC COMMONS 209	Note 3	#12	#12	#12	20	1	360			REC AUDIO 211 30	30
31 REC COMMONS 209	Note 3	#12	#12	#12	20	1	540			REC AUDIO 211 32	32
33 REC COMMONS 209	Note 3	#12	#12	#12	20	1	540			REC AUDIO 211 34	34
35 REC STOR 210	Note 3	#12	#12	#12	20	1	900		1/2"	REC ROOFTOP 34	34
37 REC STOR 210	Note 3	#12	#12	#12	20	1	540			SPARE	36
39 REC JAN 212	Note 3	#12	#12	#12	20	1	720			SPARE	40
41 SPARE										SPARE	42

Refer to LC - Section 2 for notes

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: LD2 Section 1  
 Mains: 100A MLO Min Sym ICI: 10000  
 Trip: Surface Door: Yes Fed From: LD1  
 Neutral: 5/8 Feeder: Note 2  
 Ground bar: Yes Provide 100A Feed-thru Lugs

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	TRIP	PHASE LOADS			DESCRIPTION	CIR	
						A	B	C			
1 EDPS CORR 107	Note 3	#12	#12	#12	20	1	1200			SPARE	2
3 REC GYM 106	Note 3	#12	#12	#12	20	1	720		1 20	SPARE	4
5 SPARE										SPARE	4
7 SPARE										SPARE	8
9 REC VIS-GIRL 110	Note 3	#12	#12	#12	20	1	540		1 20	SPARE	8
11 REC VIS-GIRL 110	Note 3	#12	#12	#12	20	1	900		1 20	REC CORRIDOR 107 10	10
13 SHOTLOCK 110	Note 3	#12	#12	#12	20	1	720		1 20	REC JAN 109 12	12
15 REC STOR 108	Note 3	#12	#12	#12	20	1	720		1 20	REC STOR 114 14	14
17 REC VIS-BOYS 113	Note 3	#12	#12	#12	20	1	720		1 20	REC OFFICIAL 115 16	16
19 SPARE										REC COACH 117 18	18
21 REC STOR 114	Note 3	#12	#12	#12	20	1	720		1 20	REC GYM 20	20
23 REC COACH 117	Note 3	#12	#12	#12	20	1	540		1 20	REC GYM 20	20
25 REC CLOS 120	Note 3	#12	#12	#12	20	1	720		1 20	REC GYM BLEACHER 24	24
27 REC HOME-G 121	Note 3	#12	#12	#12	20	1	180		1 20	REC GYM BLEACHER 26	26
29 SHOTLOCK 121	Note 3	#12	#12	#12	20	1	180		1 20	REC GYM BLEACHER 28	28
31 REC HOME-GIRL TV	Note 3	#12	#12	#12	20	1	180		1 20	REC GYM BLEACHER 30	30
33 USB LOCKER	Note 3	#12	#12	#12	20	1	720		1 20	REC GYM BLEACHER 32	32
35 USB LOCKER	Note 3	#12	#12	#12	20	1	720		1 20	REC GYM BLEACHER 34	34
37 USB LOCKER	Note 3	#12	#12	#12	20	1	540		1 20	SPARE	36
39 USB LOCKER	Note 3	#12	#12	#12	20	1	720		1 20	SPARE	38
41 USB LOCKER	Note 3	#12	#12	#12	20	1	720		1 20	Space only	40

Refer to LD2 - Section 2 for notes

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: LD3 Section 1  
 Mains: 225A MLO Min Sym ICI: 10000  
 Trip: Surface Door: Yes Fed From: LD1  
 Neutral: 5/8 Feeder: Note 2  
 Ground bar: Yes Provide 225A Feed-thru Lugs

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	TRIP	PHASE LOADS			DESCRIPTION	CIR	
						A	B	C			
1 COILING DOOR 103	Note 3	#12	#12	#12	20	1	1176			REC CLOS 104,103 2	2
3 COILING DOOR 102	Note 3	#12	#12	#12	20	1	900			REC STOR 103 4	4
5 REC MEZZANINE	Note 3	#12	#12	#12	20	1	720		1 20	REC STOR 103 6	6
7 REC MEZZANINE	Note 3	#12	#12	#12	20	1	1080		1 20	REC STOR 103,102 8	8
9 REFRIG HOSP	Note 3	#12	#12	#12	20	1	540		1 20	REC STOR 102 10	10
11 REC LOBBY BENCH	Note 3	#12	#12	#12	20	1	540		1 20	REC STOR 102 12	12
13 REC LOBBY BENCH	Note 3	#12	#12	#12	20	1	360		1 20	REC STOR 102 14	14
15 REC LOBBY BENCH	Note 3	#12	#12	#12	20	1	360		1 20	REC COUNTER 205 16	16
17 REC LOBBY BENCH	Note 3	#12	#12	#12	20	1	540		1 20	REC COUNTER 205 18	18
19 REC ROOFTOP	Note 3	#12	#12	#12	20	1	540		1 20	REC COUNTER 205 20	20
21 REC WOMENS 204	Note 3	#12	#12	#12	20	1	1000		1 20	REC COUNTER 205 22	22
23 SPARE										REC HOSP 205 24	24
25 REC MENS 206	Note 3	#12	#12	#12	20	1	720		1 20	REC HOSP 205 26	26
27 REC GYM LOBBY	Note 3	#12	#12	#12	20	1	540		1 20	REC GYM LOBBY 28	28
29 REC LOBBY 201	Note 3	#12	#12	#12	20	1	360		1 20	REC GYM LOBBY 30	30
31 REC LOBBY 201	Note 3	#12	#12	#12	20	1	540		1 20	REC MACHINE 105 32	32
33 REC LOBBY 201	Note 3	#12	#12	#12	20	1	180		1 20	REC ELEVATOR PIT 34	34
35 REC LOBBY 202	Note 3	#12	#12	#12	20	1	720		1 20	REC ELEV CAB LTS 36	36
37 REC LOBBY 202	Note 3	#12	#12	#12	20	1	540		1 20	REC GYM LOBBY 38	38
39 REC LOBBY 202	Note 3	#12	#12	#12	20	1	360		1 20	REC GYM LOBBY 40	40
41 REC MEZZ HALL	Note 3	#12	#12	#12	20	1	1440		1 20	REC GYM LOBBY 42	42

Refer to LD3 - Section 2 for notes

480Y/277V 3-Phase 4-Wire LIGHTING PANEL Name: HD Section 2  
 Mains: 400A MLO Min Sym ICI: 18000  
 Trip: Surface Door: Yes Fed From: Section 1  
 Neutral: 5/8 Feeder: Note 1  
 Ground bar: Yes

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	TRIP	PHASE LOADS			DESCRIPTION	CIR	
						A	B	C			
43 Space only										Space only	44
45 Space only										Space only	46
47 Space only										Space only	48
49 Space only										Space only	50
51 Space only										Space only	52
53 Space only										Space only	54

Phase load totals A 75478 B 75823 C 74748

Notes for HD:  
 1 Feeder is (1) 3-1/2" - 48400kcal1 + #8 GND THN Copper  
 2 A maximum of 3 phases, 1 neutral and 1 ground may be combined per conduit without derating  
 3 Use breaker suitable for 75C conductors for circuits 35-50  
 4 Provide Shunt trip - circuit 35

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: LC Section 2  
 Mains: 225A MLO Min Sym ICI: 10000  
 Trip: Flush Door: Yes Fed From: Section 1  
 Neutral: 5/8 Feeder: Note 2  
 Ground bar: Yes

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	TRIP	PHASE LOADS			DESCRIPTION	CIR	
						A	B	C			
43 Space only										Space only	44
45 -										Space only	46
47 Space only										Space only	48
49 Space only										Space only	50
51 Space only										Space only	52
53 Space only										Space only	54
55 Space only										Space only	56
57 Space only										Space only	58
59 Space only										Space only	60
61 Space only										Space only	62
63 MANU/HP-1	1/2"	#12	#12	#12	20	2	1037			MANU/HP-2	64
65 -										Space only	66

Phase load totals A 8276 B 11637 C 10793

Notes for LC:  
 1 CIRCUITS IN THIS PANEL SHALL BE INSTALLED IN A SINGLE 66-POLE SECTION.  
 2 Feeder is (1) 2-1/2" - 481/0 + #4 GND THN Copper  
 3 A maximum of 3 phases, 1 neutral and 1 ground may be combined per conduit without derating  
 4 Provide GFCI - circuits 20-22

208Y/120V 3-Phase 4-Wire LIGHTING PANEL Name: LD2 Section 2  
 Mains: 100A MLO Min Sym ICI: 10000  
 Trip: Surface Door: Yes Fed From: Section 1  
 Neutral: 5/8 Feeder: Note 2  
 Ground bar: Yes

CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	TRIP	PHASE LOADS			DESCRIPTION	CIR	
						A	B	C			
43 USB LOCKER	Note 3	#12	#12	#12	20	1	720		1 20	SPARE	44
45 USB LOCKER	Note 3	#12	#12	#12	20	1	540		1 20	SPARE	46
47 USB LOCKER	Note 3	#12	#12	#12	20	1	720		1 20	SPARE	48
49 Space only										SPARE	50
51 Space only										Space only	52
53 Space only										Space only	54
55 Space only										Space only	56
57 Space only										Space only	58
59 Space only										Space only	60
61 BLEACHER MOTOR	1/2"	#1									